

Fig. 1

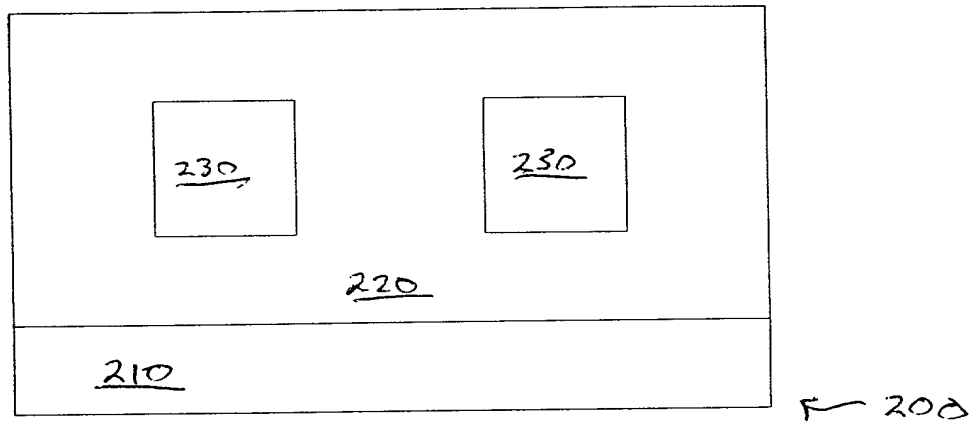


Fig. 2

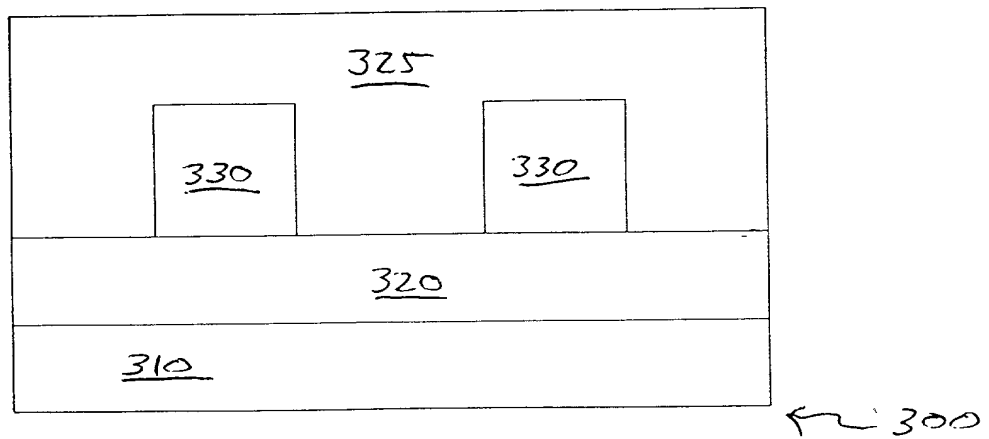


Fig. 3

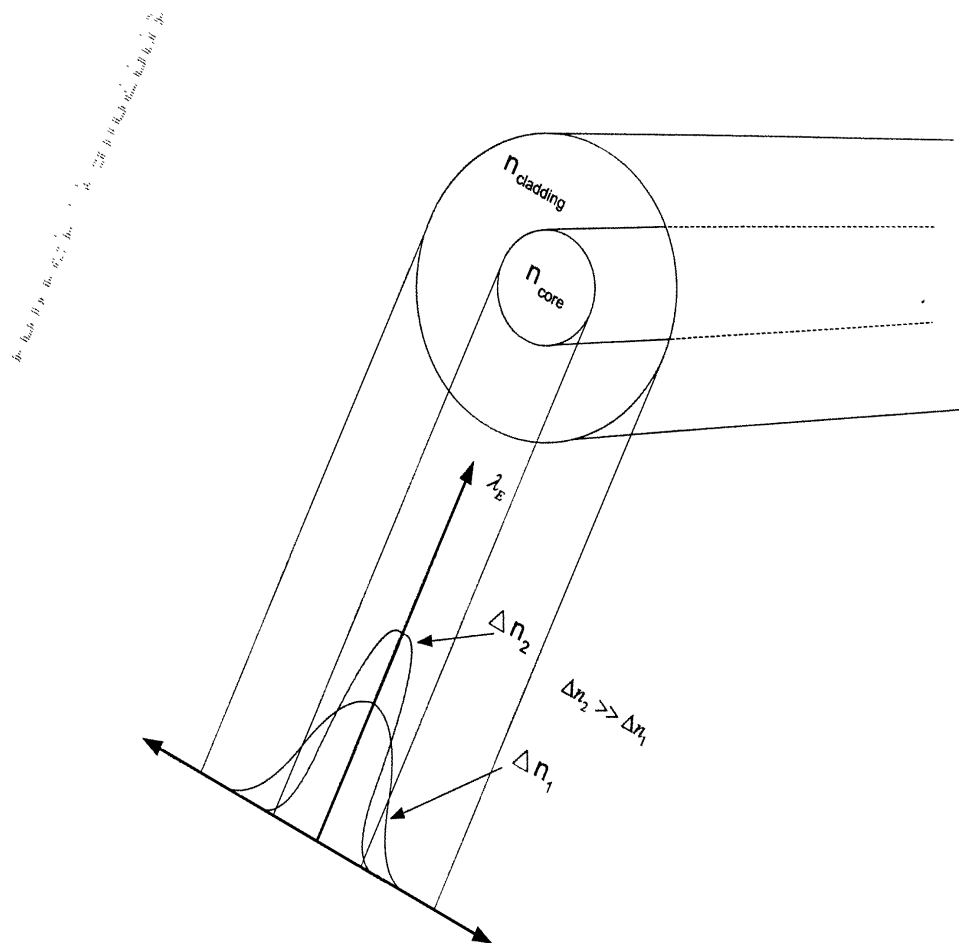


Fig. 4

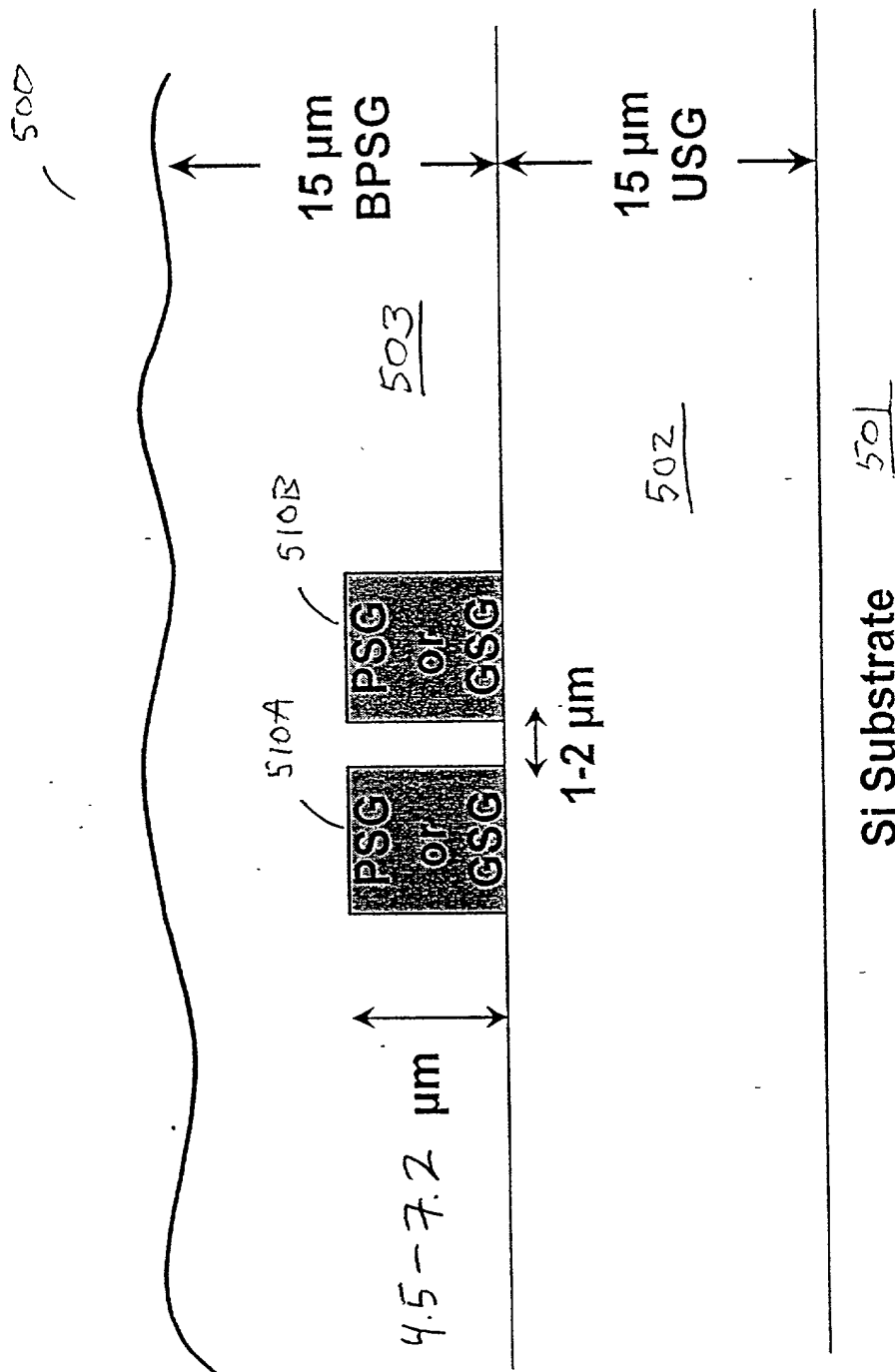


Fig. 5

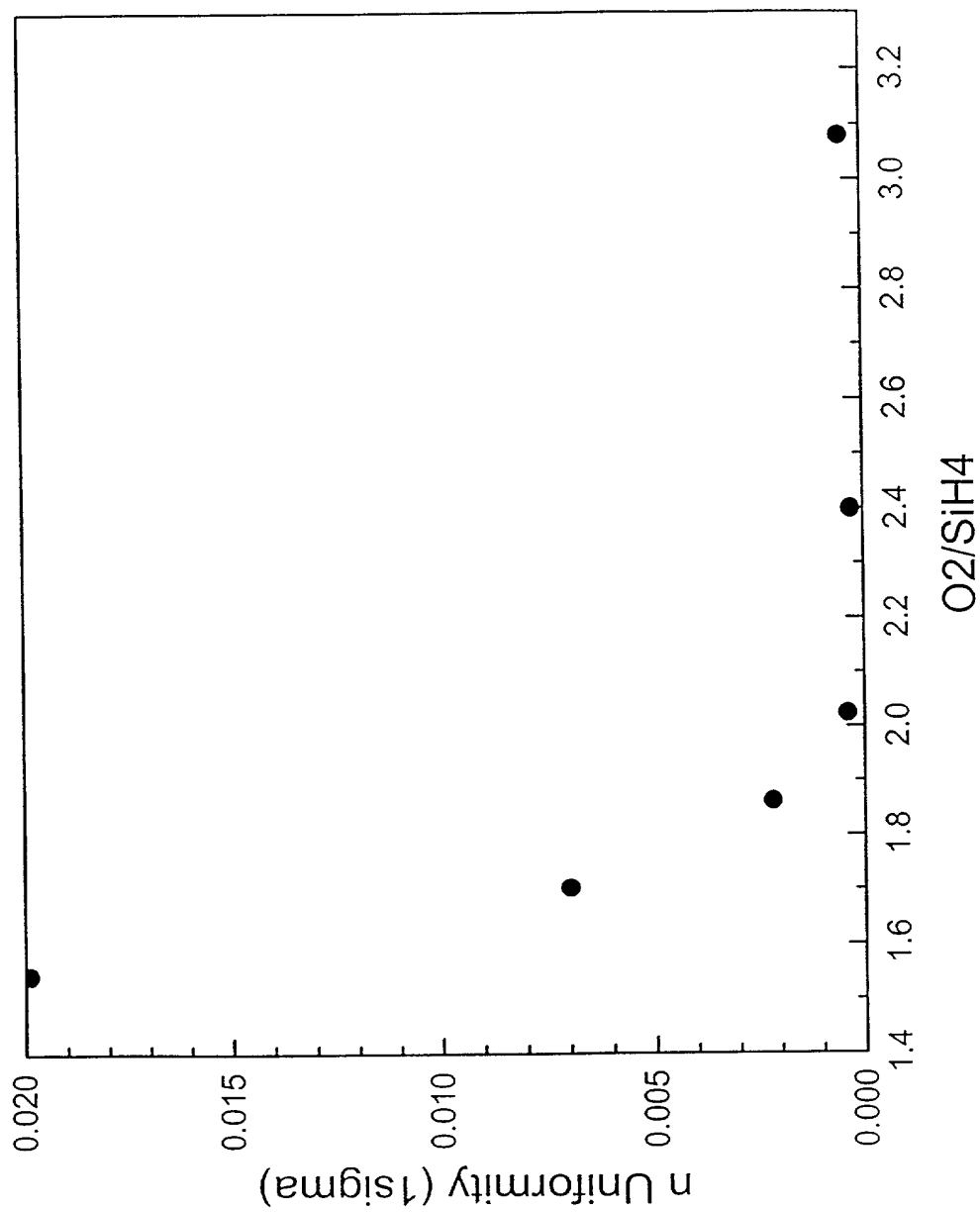


Fig. 6

710

Fig. 7A

720

710

Fig. 7B

730

720

710

Fig. 7C

730A

730B

720

710

Fig. 7D

725

730A

730B

720

710

Fig. 7E

810

Fig. 8A

820

810

Fig. 8B

821A

820

821B

810

Fig. 8C

830A

820

830B

810

Fig. 8D

825

830A

820

830B

810

Fig. 8E

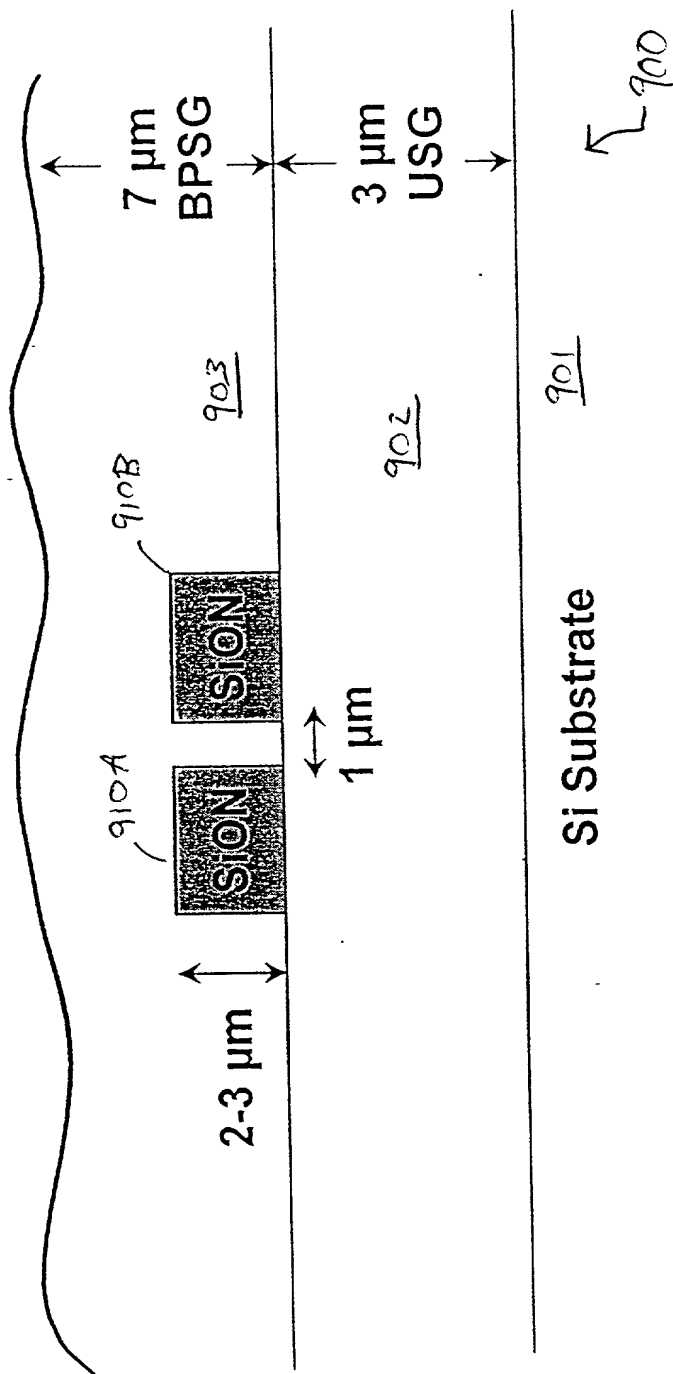
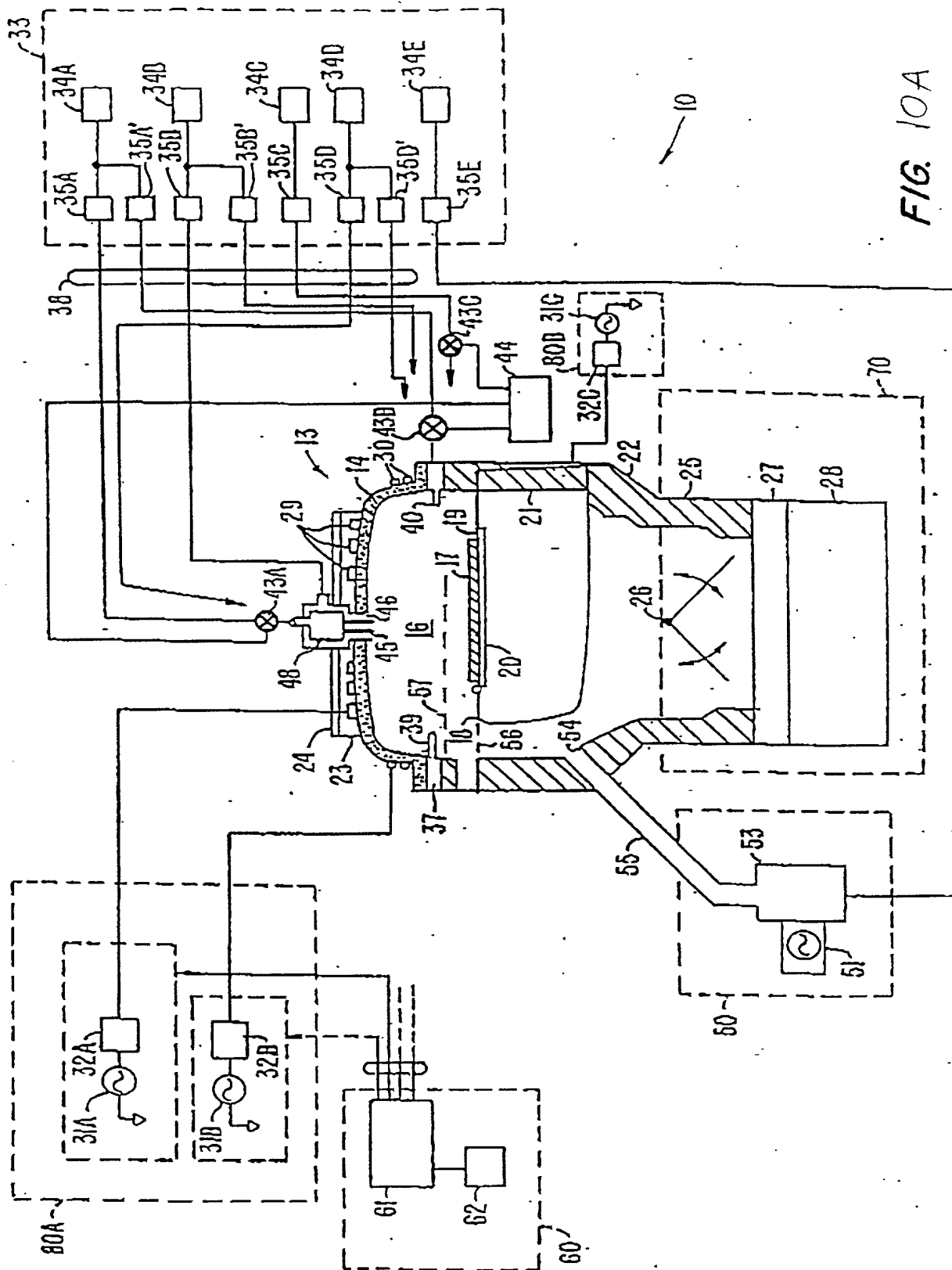


Fig. 9



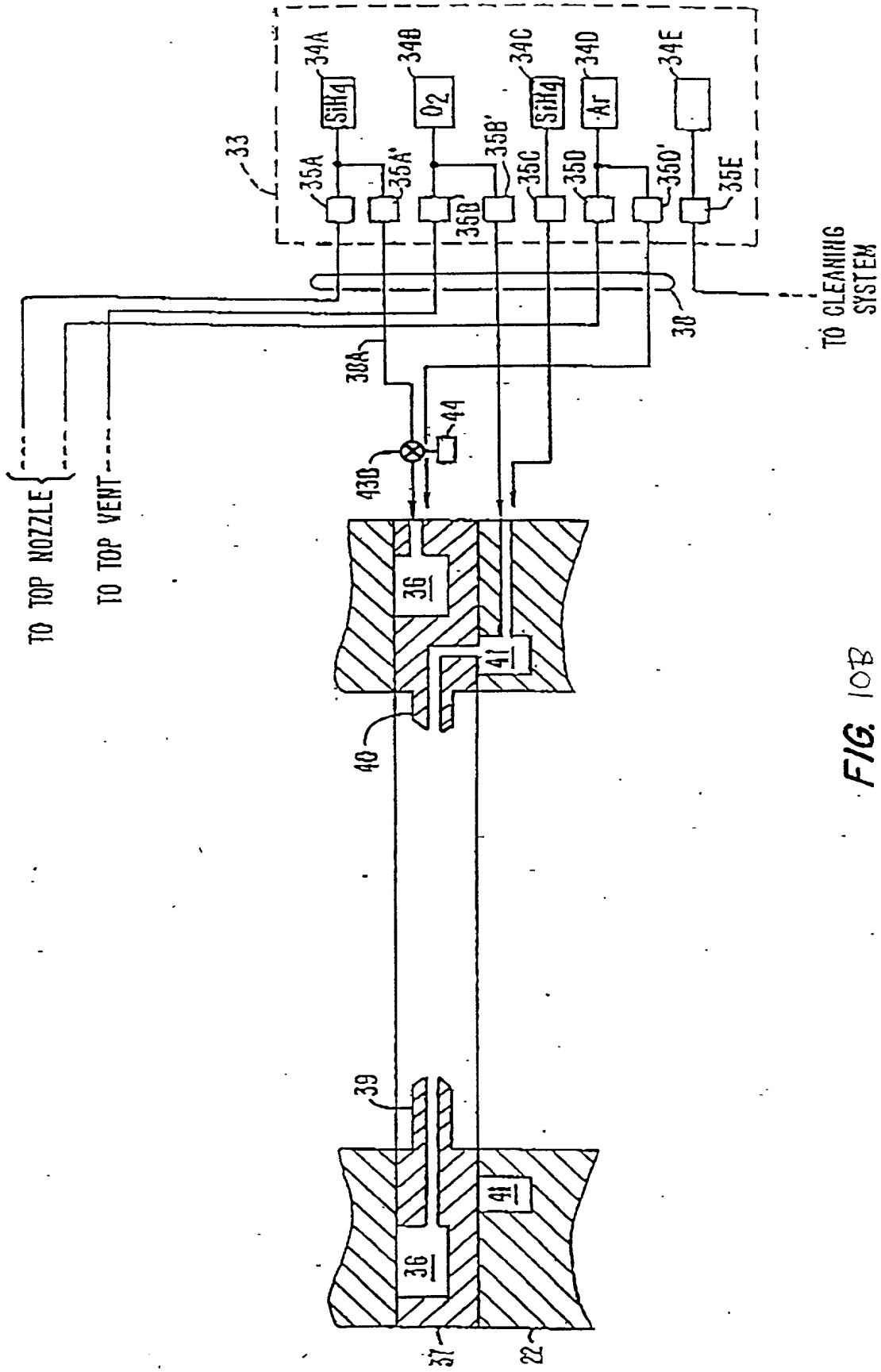


FIG. 10B

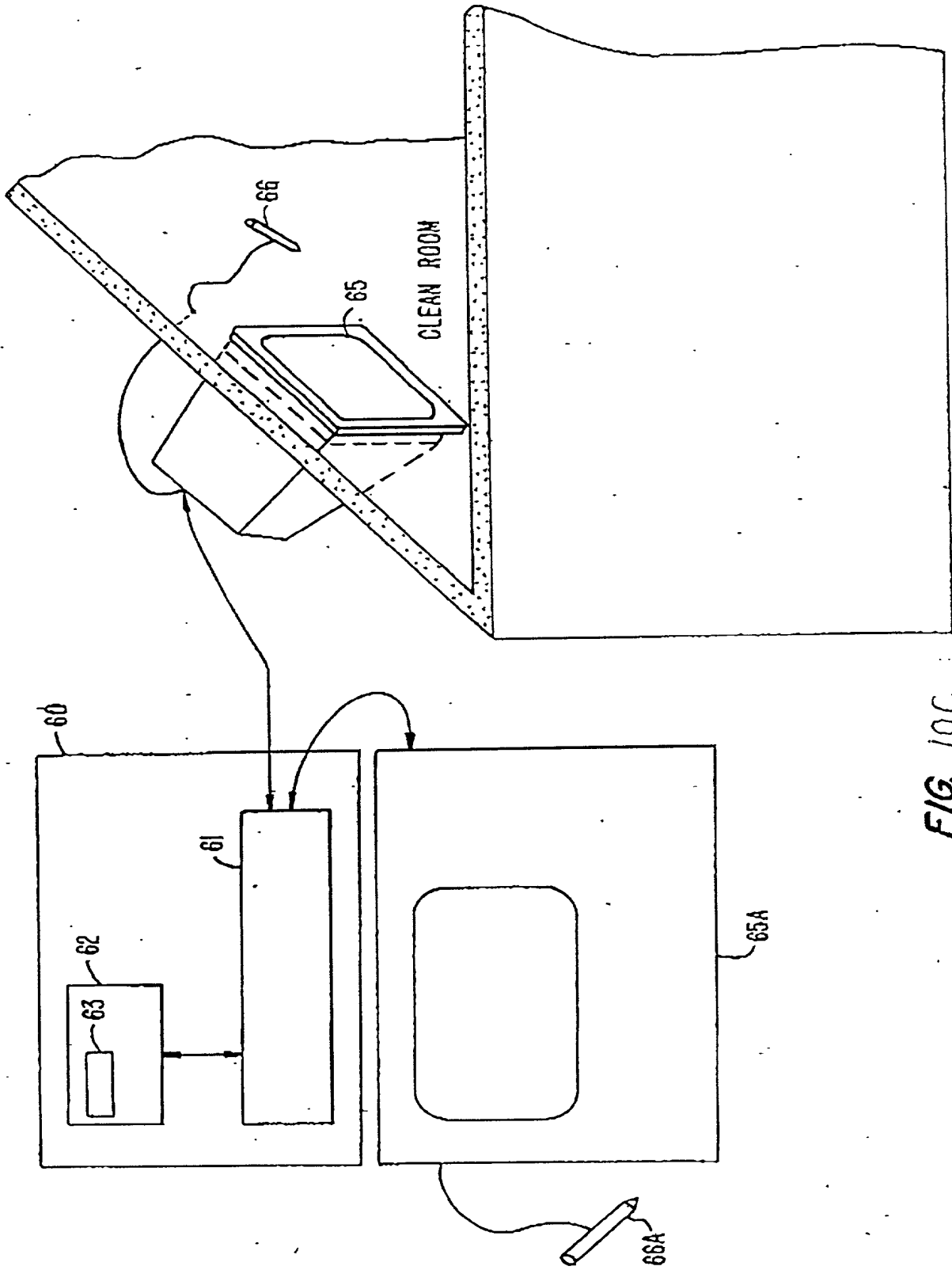


FIG. 10C

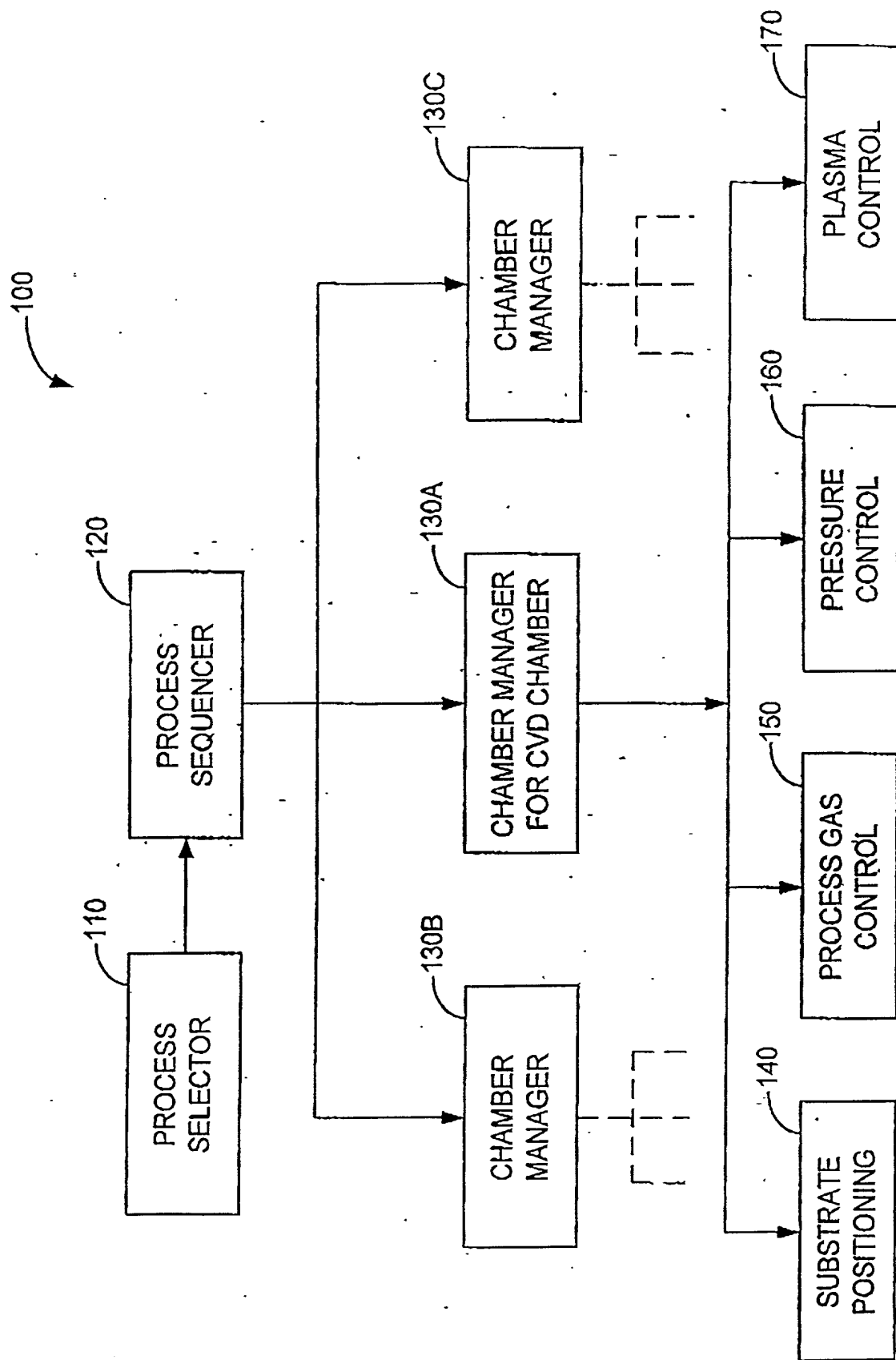
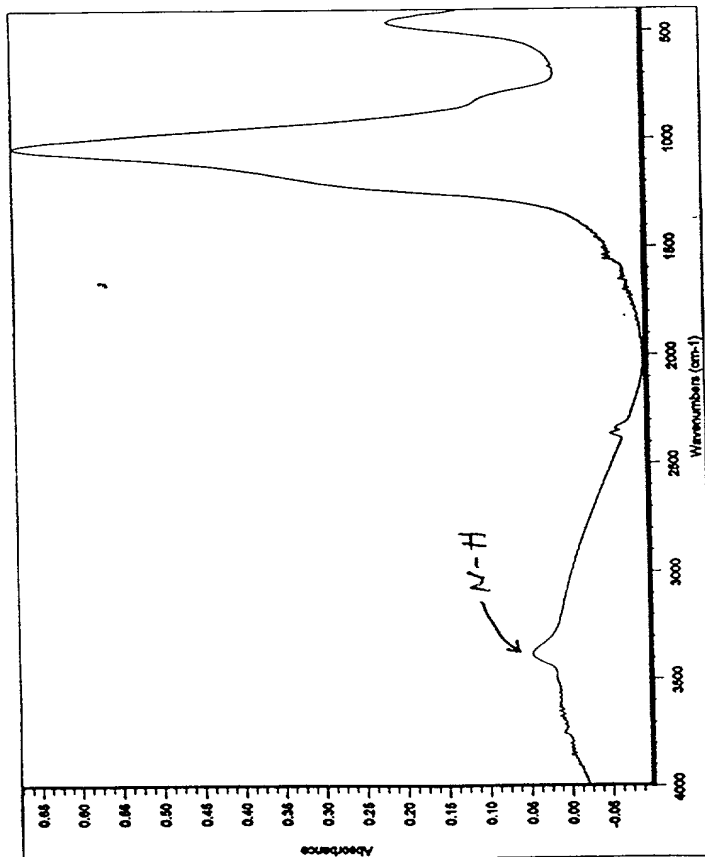


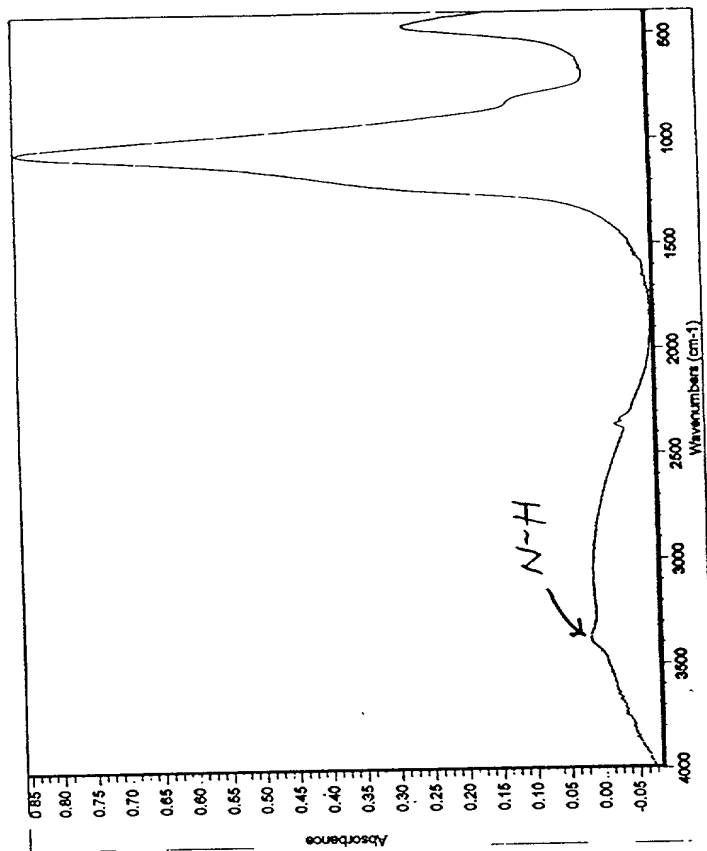
FIG. 10D

RI = 1.57



PE CVD

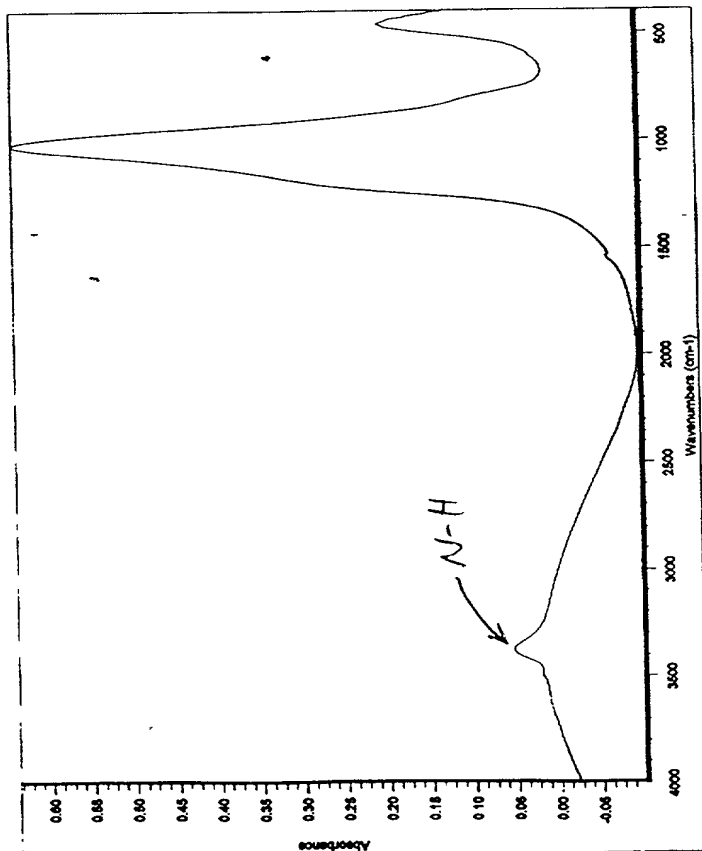
Fig 11A



HDP CVD

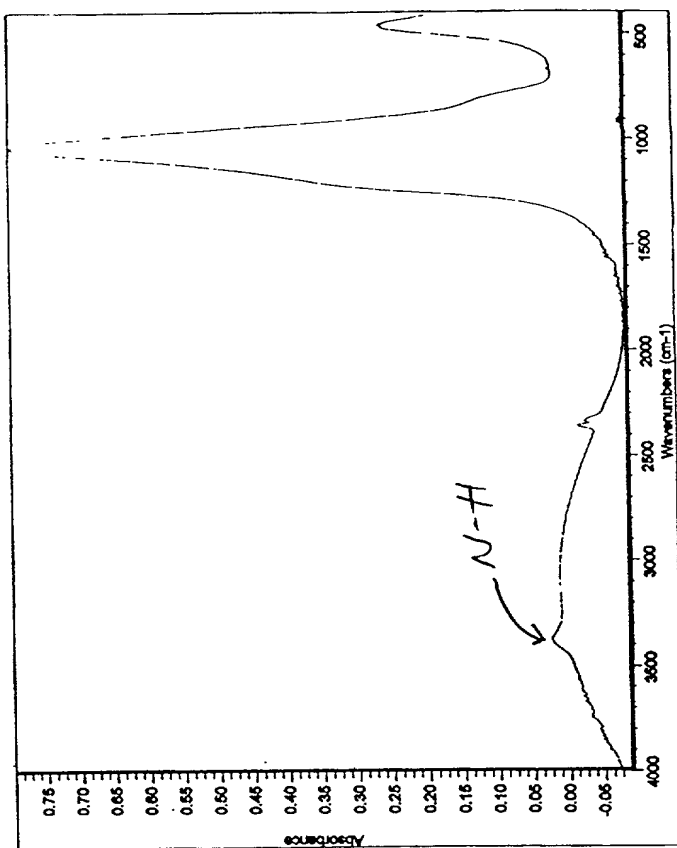
Fig 11B

RI = 1.59



PE CVD

Fig 11C

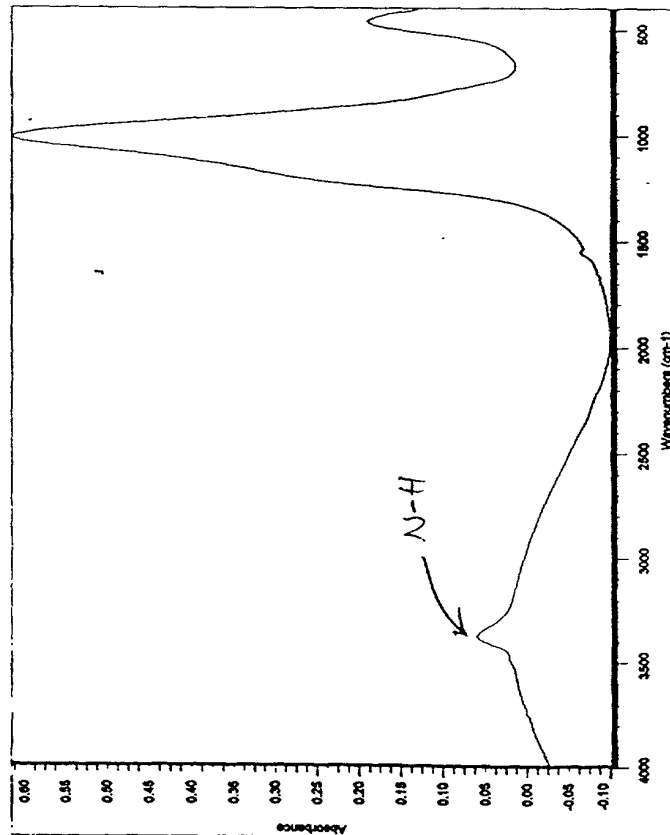


HDP CVD

Fig 11D

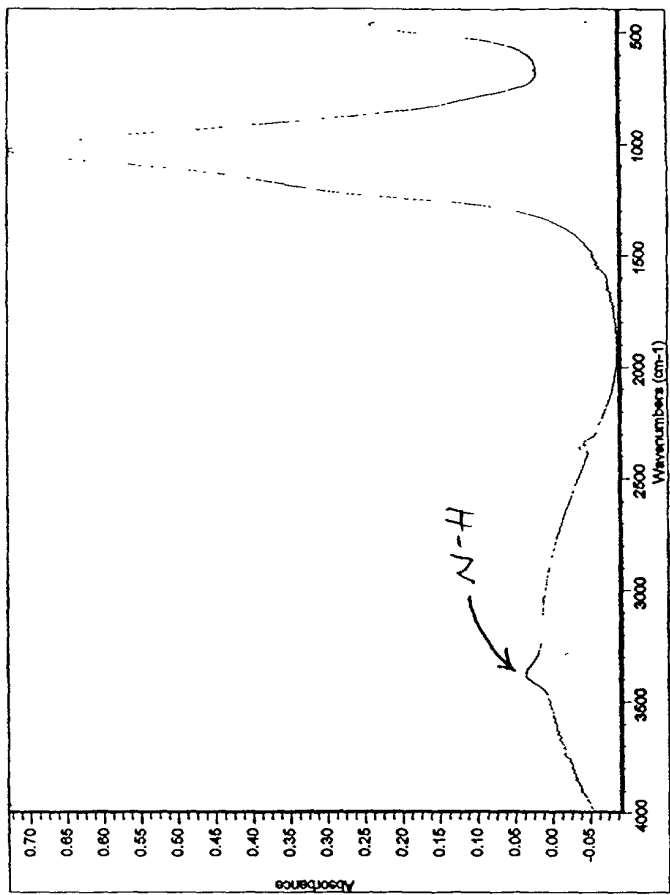
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70

RI = 1.61



PE CVD

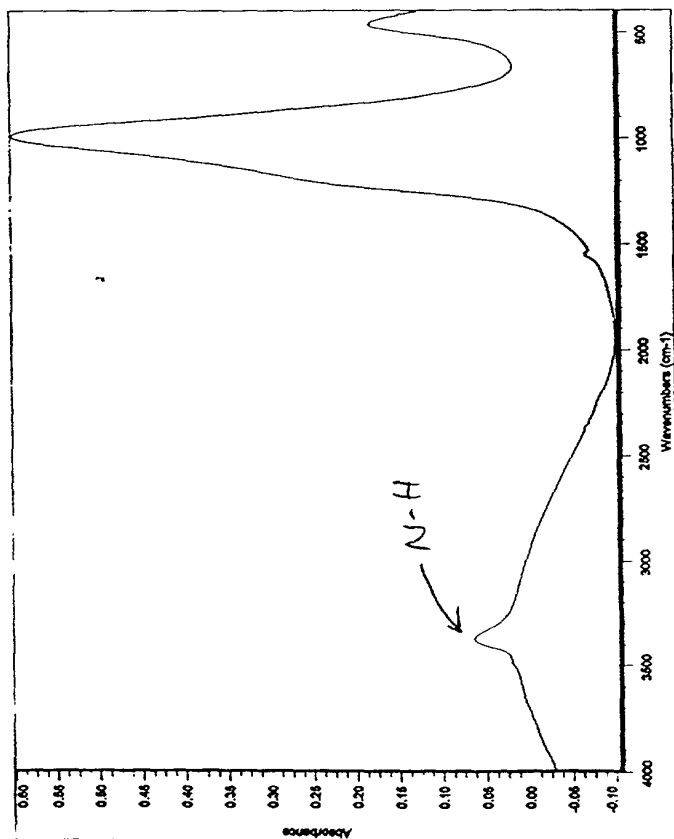
Fig 11E



HDP CVD

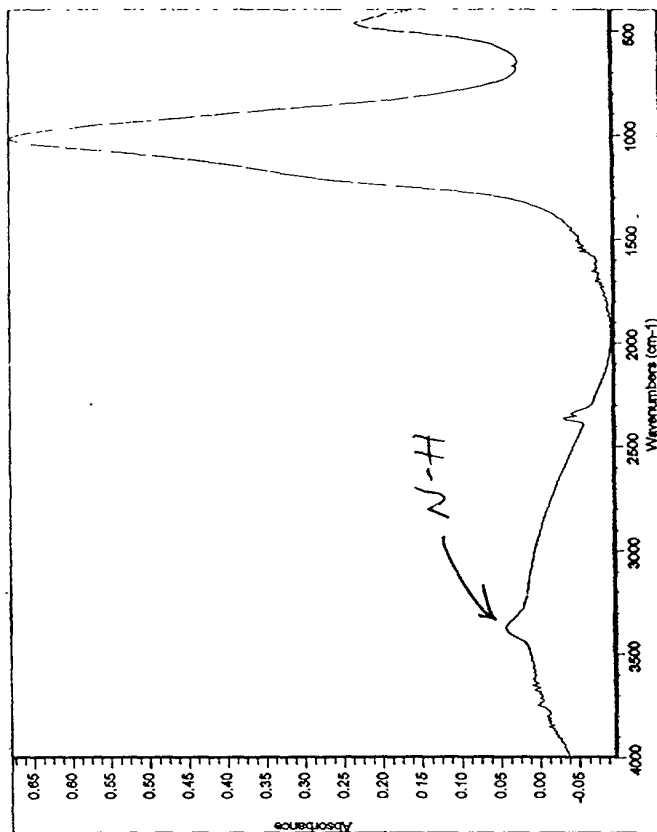
Fig 11F

RI = 1.63



PE CVD

Fig 11G

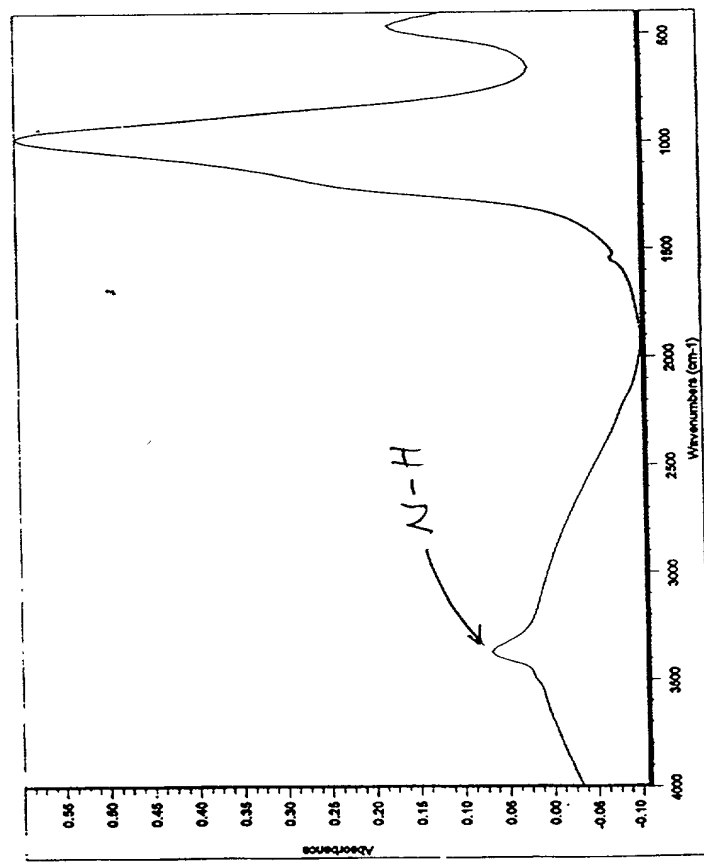


HDP CVD

Fig 11H

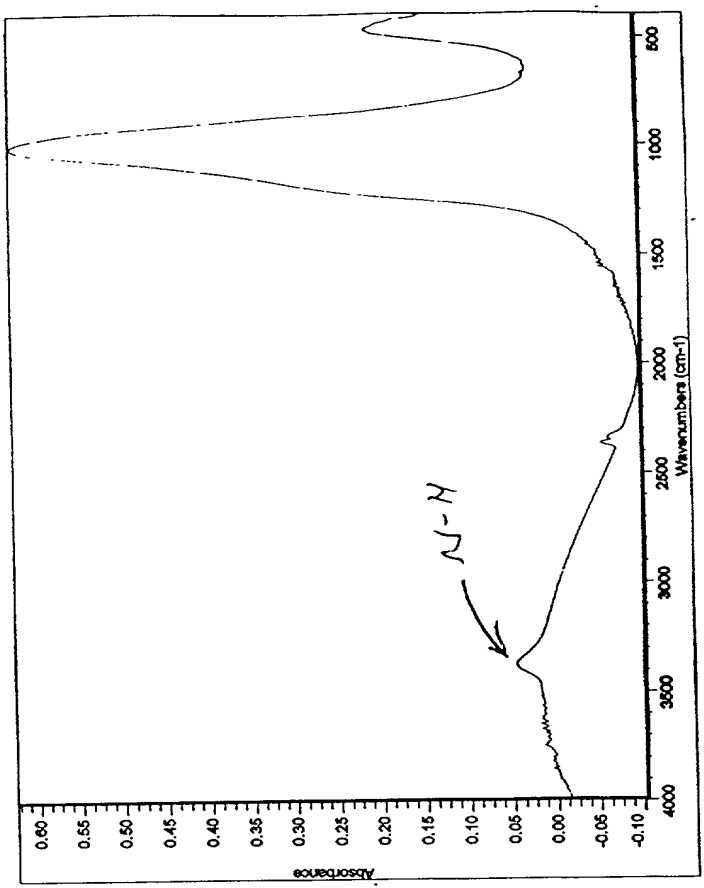
1000 900 800 700 600 500 400 300 200 100 0

RI = 1.65



PE CVD

Fig 11I



HDP CVD

Fig 11J

HDP SiON RI=1.57

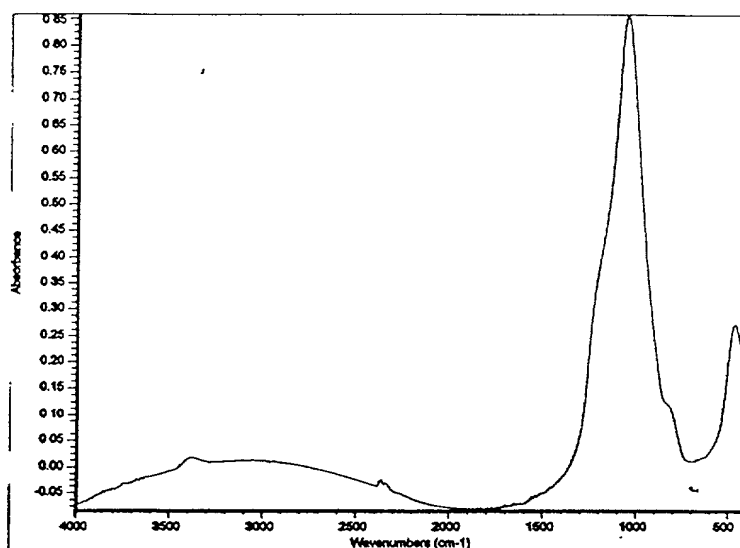


Fig 12A

HDP SiON RI=1.57 (ANN)

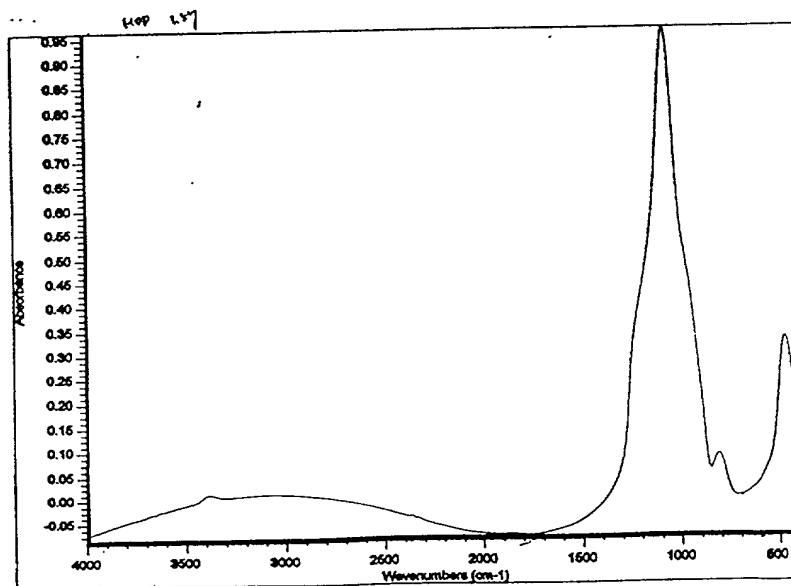


Fig 12B

HDP SiON RI=1.59

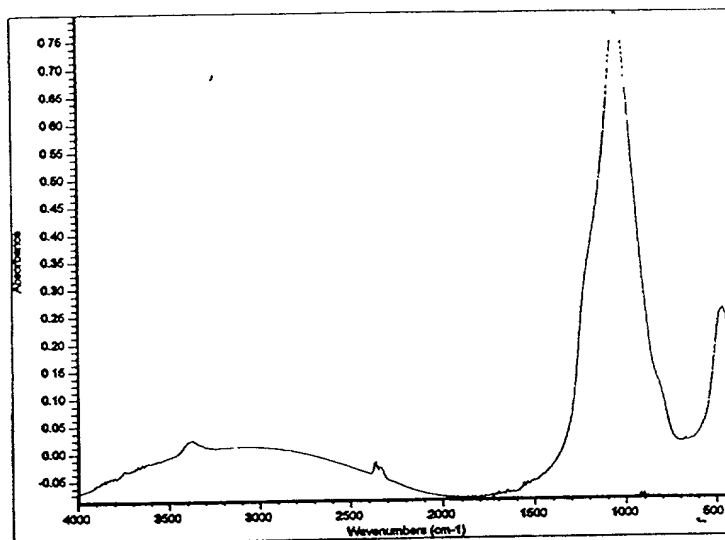


Fig 12C

HDP SiON RI=1.59 (ANN)

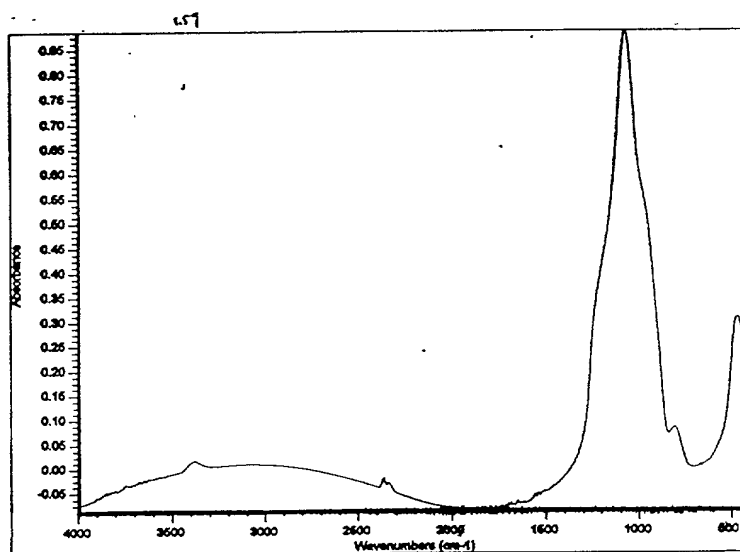


Fig 12D

HDP SiON RI=1.61

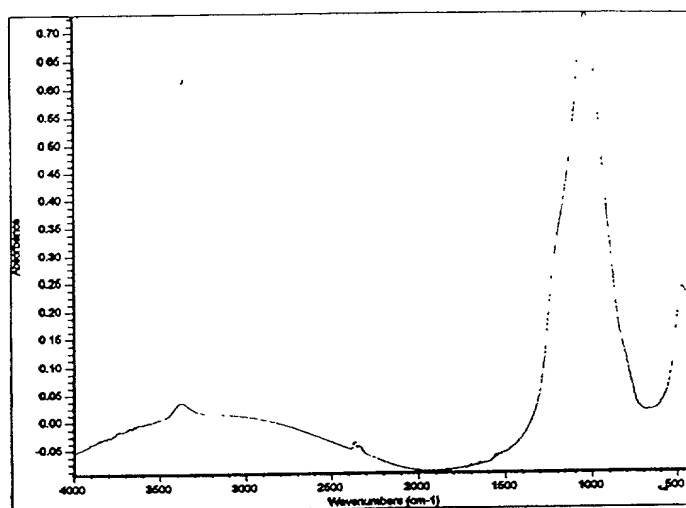


Fig 12E

HDP SiON RI=1.61 (ANN)

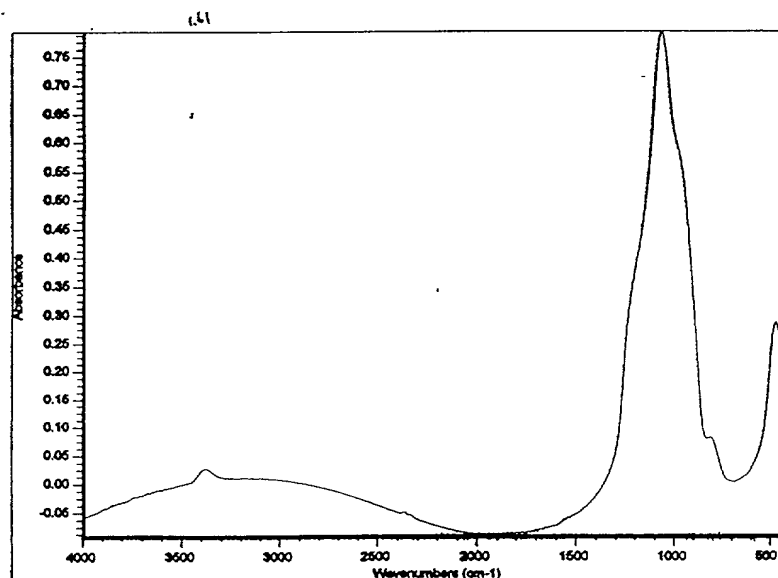


Fig 12F

HDP SiON RI=1.63

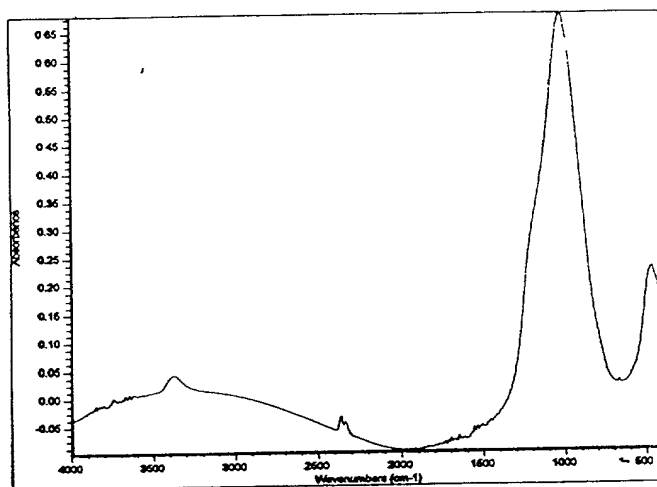


Fig 12G

HDP SiON RI=1.63 (ANN)

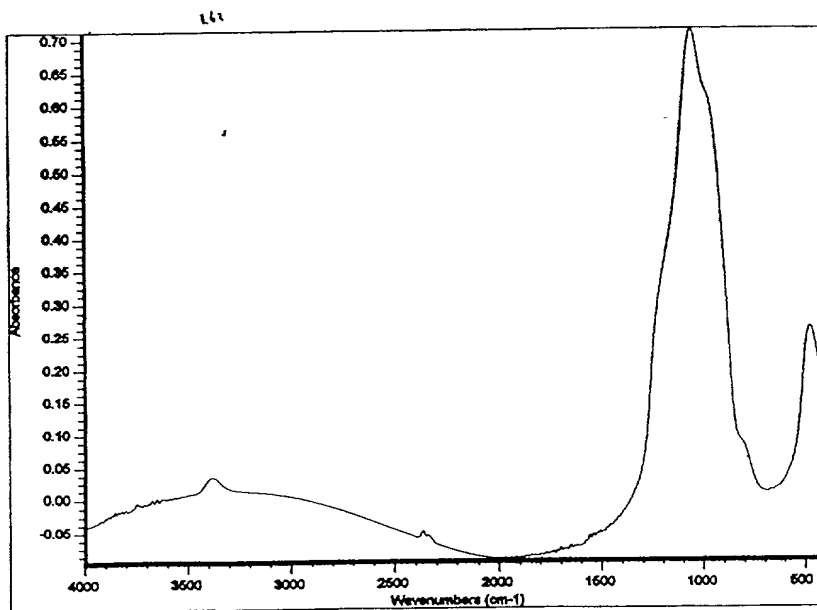


Fig 12H

HDP SiON RI=1.65

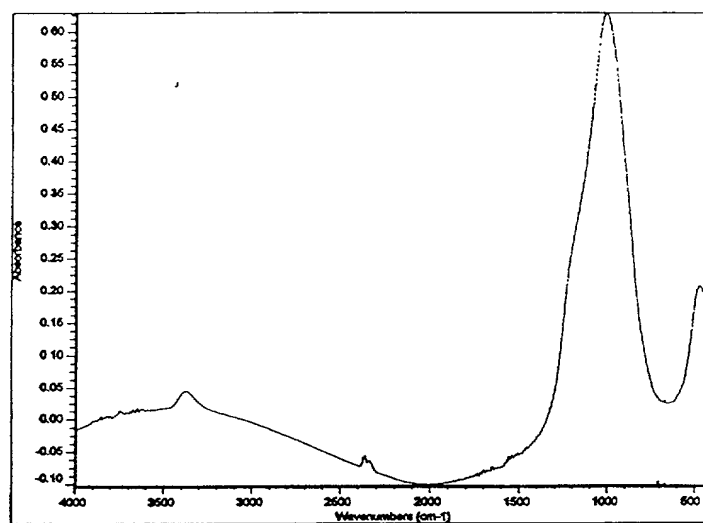


Fig 12I

HDP SiON RI=1.65 (ANN)

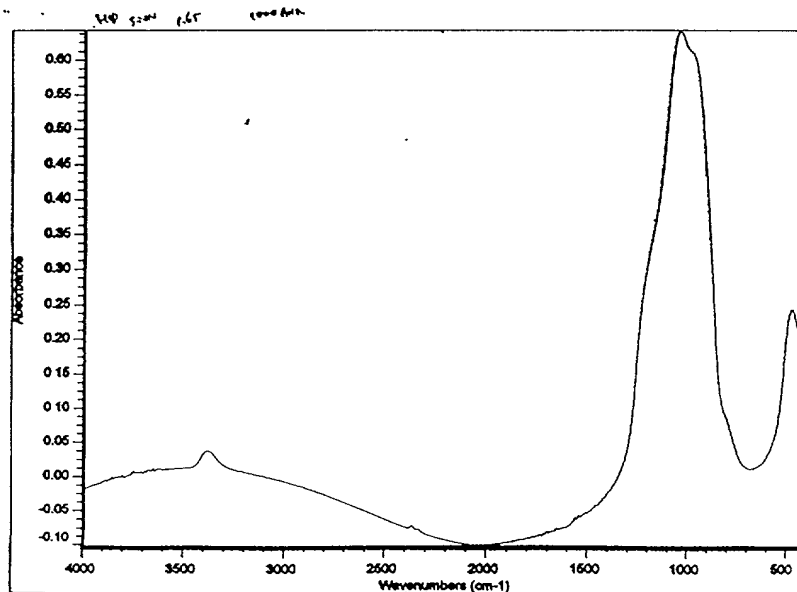


Fig 12J